

Refine Search

Search Results -

Terms	Documents
L5 same interrupt	32

Database:

- US Pre-Grant Publication Full-Text Database
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Search:

L6

Refine Search

Recall Text

Clear

Interrupt

Search History

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L6</u>	L5 same interrupt	32	<u>L6</u>
<u>L5</u>	L4 same data	170	<u>L5</u>
<u>L4</u>	(amount near5 data) same transfer\$4 same USB	170	<u>L4</u>
<u>L3</u>	"amount of data" same transfer\$4 same USB	0	<u>L3</u>
<u>L2</u>	"amount of data" same (transfer near5 mode)	0	<u>L2</u>
<u>L1</u>	"amount of data" near10 "transfer mode"	0	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L6	0

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side by side			result set
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L7</u>	L6	0	<u>L7</u>
	<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>		
<u>L6</u>	L5 same interrupt	32	<u>L6</u>
<u>L5</u>	L4 same data	170	<u>L5</u>
<u>L4</u>	(amount near5 data) same transfer\$4 same USB	170	<u>L4</u>
<u>L3</u>	"amount of data" same transfer\$4 same USB	0	<u>L3</u>
<u>L2</u>	"amount of data" same (transfer near5 mode)	0	<u>L2</u>
<u>L1</u>	"amount of data" near10 "transfer mode"	0	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(358/426.03 358/448 370/229 370/230 370/465 709/227 709/228 709/229 709/230 709/231 709/232 709/233 709/234 710/313 710/306 710/314 710/100 710/33 710/34 710/29 710/106 710/48 710/60 710/260 713/502).ccls.	19787

Database:

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Search:

L1

Refine Search

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<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
L1	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR 710/313,306,314,100,33,34,29,106,48,60,260;709/227-234;370/229,230,465;358/426.03,448;713/502.ccls.	19787	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1 and L2	28

Database:

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Search:

L3

Refine Search

Recall Text

Clear

Interrupt

Search History

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<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L3</u>	l1 and L2	28	<u>L3</u>
<u>L2</u>	(amount near5 data) same transfer\$4 same (USB or "universal serial bus")	174	<u>L2</u>
<u>L1</u>	710/313,306,314,100,33,34,29,106,48,60,260;709/227- 234;370/229,230,465;358/426.03,448;713/502.ccls.	19787	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L2 and USB	32

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Search:

L3

Refine Search

Recall Text

Clear

Interrupt

Search History

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Set Name Query
side by side

Hit Count Set Name
result set

<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L3</u>	L2 and USB	32	<u>L3</u>
<u>L2</u>	L1 same (amount near2 data)	34	<u>L2</u>
<u>L1</u>	((bulk or burst) near5 transfer) same ((interrupt or mormal) near5 transfer)	314	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L2 and USB	32

Database:

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Search History

DATE: Tuesday, September 27, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L3</u>	L2 and USB	32	<u>L3</u>
<u>L2</u>	L1 same (amount near2 data)	34	<u>L2</u>
<u>L1</u>	((bulk or burst) near5 transfer) same ((interrupt or mormal) near5 transfer)	314	<u>L1</u>

END OF SEARCH HISTORY



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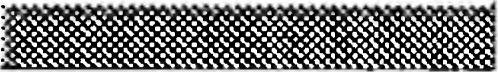
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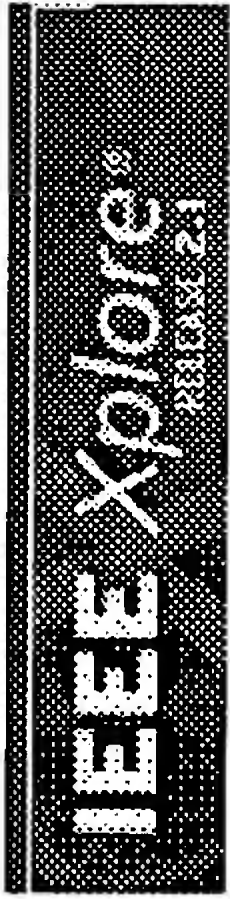
Display Format: ☒ Citation ☐ Citation & Abstract

IEEE JNL	IEEE Journal or Magazine
IEEE JNL	IEEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEEE CNF	IEEE Conference Proceeding
IEEE STD	IEEE Standard

Select Article Information

- ☐ 1. Performance analysis of burst level bandwidth allocation using multipath routing reservation
- Ashibani, M.; Mashao, D.; Nleya, B.;
- EUROCON'2001, Trends in Communications, International Conference on.
- Volume 1, 4-7 July 2001 Page(s):70 - 76 vol.1
- Digital Object Identifier 10.1109/EURCON.2001.937766
- AbstractPlus | Full Text: PDF(444 KB) IEEE CNF
- ☐ 2. A multi level real-time bandwidth allocation scheme for ATM networks
- Ashibani, M.; Mashao, D.; Nleya, B.;
- EUROCON'2001, Trends in Communications, International Conference on.
- Volume 2, 4-7 July 2001 Page(s):487 - 491 vol.2
- Digital Object Identifier 10.1109/EURCON.2001.938168
- AbstractPlus | Full Text: PDF(376 KB) IEEE CNF
- ☐ 3. Techniques for the retrieval of aerosol properties over land and ocean using multiangle imaging
- Martonchik, J.V.; Diner, D.J.; Kahn, R.A.; Ackerman, T.P.; Verstraete, M.M.; Pinty, B.; Gordon, H.R.;
- Geoscience and Remote Sensing, IEEE Transactions on
- Volume 36, Issue 4, July 1998 Page(s):1212 - 1227
- Digital Object Identifier 10.1109/36.701027
- AbstractPlus | References | Full Text: PDF(484 KB) IEEE JNL
- ☐ 4. Thermal characterization of a mercury arc lamp for a projection display system
- Bush, B.; Shu Li; Kelley, D.;
- Semiconductor Thermal Measurement and Management Symposium, 2004. Twentieth Annual IEEE
- 9-11 Mar 2004 Page(s):249 - 254
- Digital Object Identifier 10.1109/STHERM.2004.1291331
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Performance analysis of burst level bandwidth allocation using multipath routing reservation

Ashibani, M. Mashao, D. Nieya, B.
Dept. of Electr. Eng., Cape Town Univ., Rondebosch , South Africa;

This paper appears in: **EUROCON'2001, Trends in Communications, International Conference on.**

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Posted online: 2002-08-07 00:37:19.0

Abstract

The use of high-speed networks to carry bursty traffic, such as IP packets, image, compressed video etc., over ATM networks, requires a new thinking. Instead of controlling connections, we are faced with the problem of controlling the bursts. Thus the new problem is how to control the **bursts** and how the resources are allocated optimally for the bursty applications. This paper provides performance analysis of a **burst** level bandwidth allocation algorithm based on multipath/multilinks routing to allocate resources efficiently for real time traffic, where fast reservation of resources in the network is crucial, as the resource availability changes rapidly. In this scheme, different **predetermined** paths are searched for the extra required resources to accommodate **bursts** from real time applications in multiple path routes. In the paper, the performance of multipath routing is compared to a single path reservation approach without reattempt (i.e., retry after a failure) and with reattempt allowed. The main performance metrics considered in this paper are network throughput, blocking probability and reservation time delay. The analysis shows that while the multipath reservation algorithm has better performance compared to single path reservation algorithms (either persistent or non persistent), the **burst-by-burst** connection setup time using multipath reservation is significantly lower than for the single path reservation approaches

index terms

Index

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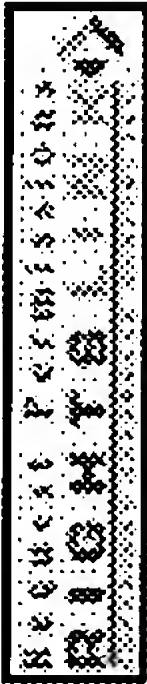
asynchronous transfer mode bandwidth allocation delays multipath channels packet switching resource allocation telecommunication network routing telecommunication traffic

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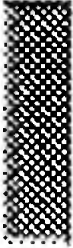


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